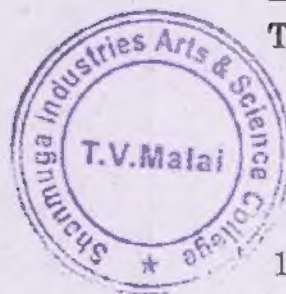


APRIL/MAY 2024

**CEBC64 — PHARMACEUTICAL
BIOCHEMISTRY**

Time : Three hours

Maximum : 75 marks



SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define pro drug.
2. Explain the term absorption.
3. Recall the importance of IC 50.
4. Summarize the consequences of allergic reactions.
5. List the drugs for gastric disorders.
6. Explain the role of biguanides.
7. What are the significance of Siddha medicine.
8. Outline the importance of turmeric.
9. Show the functions of saponins.
10. Summarize the importance of glycosides.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Identify the mechanism of first bypass effect.

Or

- (b) Examine the types of receptors.

12. (a) Identify the role nanoparticles in drug delivery.

Or

- (b) Examine the causes and consequences of drug abuse.

13. (a) Organize the drugs used for diabetes.

Or

- (b) Analyse the mechanism of action of penicillin.

14. (a) Identify the importance of unani medicine

Or

- (b) Examine the medicinal values of ginger.

15. (a) Organize the functions of alkaloids.

Or

- (b) Analyze the principle behind HPLC.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain phase I reactions

17. Deduce the importance of liposomes and add a note of drug tolerance.

18. Appraise the role of various oral hypoglycemic drugs.

19. Elaborate the biological significance of alkaloids and glycosides.

20. Discuss about the structure and functions of flavanoids and alkaloids.
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